



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,780	03/24/2004	Hirofumi Nomura	7217/71976	4275

530 7590 06/13/2007
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
600 SOUTH AVENUE WEST
WESTFIELD, NJ 07090

EXAMINER

SELBY, GEVELL V

ART UNIT	PAPER NUMBER
----------	--------------

2622

MAIL DATE	DELIVERY MODE
-----------	---------------

06/13/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/807,780

Applicant(s)

NOMURA ET AL.

Examiner

Gevell Selby

Art Unit

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. **Claims 1 and 4 are rejected under 35 U.S.C. 102(a) as being anticipated by**

Yamazaki, US 2003/0147636.

In regard to claims 1 and 4, Yamazaki, US 2003/0147636, discloses an image pickup device for use in a camera and camera shake correction method performed by the device, the device comprising:

image pickup means (see figure 1, element 102);

camera shake detecting means (see figure 1, element 111) for detecting a camera shake and outputting a camera shake detection signal; and

correcting means (see figure 1, element 119) for correcting a camera shake of an image pickup signal obtained from said image pickup means by using said camera shake detection signal, wherein said correcting means includes surplus area detecting means (see figure 1, element 120) for detecting a surplus area for use in camera shake correction based upon a size of an effective area on an image pickup surface of the image pickup means and a size of an efficient area extracted in response to the camera shake (see para. 5, 48, 58, and 59).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 2, 3, 5, and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamazaki, US 2003/0147636, in view of Morofuji, US 6,704,502.**

In regard to claims 2 and 5, Yamazaki, US 2003/0147636, discloses the image pickup device and camera shake correction method performed by the device according to claims 1 and 4, respectively, wherein said correcting means includes integrating means (see figure 1, element 118) for integrating said camera shake detection signal in response to a difference between a size of said surplus area and a magnitude of said camera shake detection signal.

The Yamazaki reference does not disclose an integration coefficient control means for dynamically changing an integration coefficient used to integrate said camera shake detection signal.

Morofuji, US 6,704,502, discloses a vibration correction device with an integration coefficient control means (see figure 1, element 203) for dynamically changing an integration coefficient used to integrate said camera shake detection signal (see column 9, lines 60-67).

It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify Yamazaki, US 2003/0147636, in view of

Art Unit: 2622

Morofuji, US 6,704,502, to have an integration coefficient control means for dynamically changing an integration coefficient used to integrate said camera shake detection signal, in order to quickly process the integration to decrease the processing time of the system.

In regard to claims 3 and 6, Yamazaki, US 2003/0147636, in view of Morofuji, US 6,704,502, discloses the image pickup device and camera shake correction method performed by the device according to claims 2 and 5, respectively. The Morofuji reference discloses wherein said correcting means includes a table (ROM) having a plurality of integration coefficients relative to a respective plurality of sizes of said surplus area (see column 9, lines 60-62).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 6,707,991, discloses an image shake preventing apparatus that can optically correct image shake according to the output of an angular sensor.

US 2001/0002225, discloses an image shake detecting device for detecting the shake of an image.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gevell Selby whose telephone number is 571-272-7369. The examiner can normally be reached on 8:00 A.M. - 5:30 PM (every other Friday off).

Art Unit: 2622

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivek Srivastava can be reached on 571-272-7304. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

gvs



VIVEK SRIVASTAVA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600